

103. *Pyrgus cashmirensis*, n. sp. (Plate XLIII. fig. 7.)

Upperside dark fuliginous black; body and base of wings with long grey hairs; cilia broad, alternate white and black: fore wing with an irregular transverse discal series of eight small white spots, a white streak at end of the cell and two narrow streaks above it: hind wing with three scarcely visible pale narrow discal streaks.

Underside greyish brown, tinged with ochreous: fore wing with spots as above; costa greyish white: hind wing with anterior and abdominal margins grey; a white triangular subbasal spot, a broad transverse anterior discal patch with a small contiguous posterior spot, and a submarginal irregular series of spots.

Exp. $1\frac{2}{10}$ inch.

Hab. Cashmere.

DESCRIPTION OF PLATE XLIII.

Fig. 1. *Callerebia daksha*, p. 266.

2. *Limenitis hydaspes* ♂, p. 270.

3. *Pararge cashmirensis* ♂, p. 265.

4. *Argynnis cashmirensis* ♂,
p. 267.

5. *Melitæa balbita* ♂, p. 268.

Fig. 6. *Epinephile maiza* ♂, underside,
p. 265.

7. *Pyrgus cashmirensis*, p. 274.

8. *Symbrenthia hysudra* ♂, p. 268.

9. *Symbrenthia asthala* ♂, p. 269.

4. List of the Diurnal Lepidoptera of the South-Sea Islands.

By A. G. BUTLER, F.L.S., F.Z.S., &c.

[Received March 30, 1874.]

(Plate XLIV.)

Mr. W. Wykeham Perry (H.M.S. 'Pearl') has recently sent home a small collection of Butterflies recently taken by himself in the South Seas. Of the seven species taken by him, two prove to be new; and as we have other unnamed Butterflies from the same region in the collection of the British Museum, I have thought it would be useful to draw up the following list, with descriptions of the new species.

Family NYMPHALIDÆ.

Subfamily DANAINÆ, Bates.

Genus DANAIS, Latreille.

1. DANAIS SHENKII.

Danais shenkii, Koch, Indo-Austr. Lep. Fauna, p. 107 (1865).

New Caledonia (*Koch*).

Somewhat like *D. pumila*.

2. DANAIS PUMILA.

Danais pumila, Boisduval, Bull. Ent. Soc. France, p. 156. n. 6 (1859).

Danais mariana, Butler, Ann. & Mag. Nat. Hist. ser. 3, vol. xvi. p. 397 (1865); P. Z. S. pl. 4. fig. 6 (1866).

New Caledonia.

B.M.



1.



2.



3.



3. *DANAIS INSOLATA*.

Danais insolata, Butler, Ann. & Mag. Nat. Hist. ser. 4, vol. v. p. 360. n. 2 (1870); Cruise of the Curaçoa, p. 468, pl. 48. figs. 1, 2 (1873).

South-Sea Islands (*Brenchley*).

Type, B.M.

4. *DANAIS OBSCURATA*, n. sp.

Danais melissa, Butler (nec Cramer), Ann. & Mag. Nat. Hist. ser. 4, vol. v. p. 360, n. 3 (1870).

Euplœa hamata?, Montrouzier (nec M'Leay), Ann. Sc. Phys. Nat. Lyon, p. 404 (1856).

♂. Closely allied to *D. australis*, but larger, the spots more distinctly separated, narrower and less green*; secondaries red-brown, the inner series of submarginal spots terminating before second subcostal branch, the first series only represented by three dots at anal angle; basal two thirds of primaries below with ground-colour bright red-brown, instead of black-brown. Expanse of wings 3 inches 10 lines.

Upolu (*Brenchley*).

Type, B.M.

Two specimens of this species were taken by Mr. Brenchley; the wings were closed when I originally examined them, which occasioned my mistake as to the species.

5. *DANAIS MELITTULA*.

Danais melittula, Herrich-Schäffer, Stett. ent. Zeit. p. 70. n. 8 (1869).

Upolu (*Herrich-Schäffer*); Upolu (*W. Wykeham Perry*). B.M.

The description of this species is very poor; it would be better described as a small representative of *D. hamata*, M'Leay (*D. australis* of Boisduval).

6. *DANAIS NEPTUNIA*.

Danais neptunia, Felder, Reise der Novara, Lep. ii. p. 349. n. 489, pl. 43. fig. 1 (1867).

Fiji (*Felder*); Fiji.

B.M.

I found one specimen of this well-marked species in the supplementary drawers of the Banksian cabinet.

7. *DANAIS ARCHIPPUS*.

Papilio archippus, Fabricius, Ent. Syst. iii. p. 49, n. 151 (1793).

♂, South Seas (*Brenchley*); ♂, Tutuila Isl.; ♀, Upolu (*W. W. Perry*).

B.M.

Genus EUPLŒA, Fabricius.

8. *EUPLŒA OROPE*.

Euplœa orope, Boisduval, Voy. de l'Astrolabe, Lép. p. 100. n. 12 (1832); Sp. Gén. i. pl. 11. fig. 9 (1836).

"Taiti" (*Boisd.*); Timor (*Wallace*).

B.M.

* In the figure of *D. australis* the spots are represented as creamy white; but in all the examples that I have seen they are as green as in *D. leonora*.

9. EUPLŒA ELEUTHO.

Danaïs eleutho, Quoy & Gaimard in Freycinet's Voy. pl. 83. fig. 2 (1815).

? *Euplœa transfixa*, Montrouzier, Ann. Sc. Phys. Nat. Lyon, p. 404 (1856).

South Seas (*Brenchley*).

B.M.

Montrouzier describes his species as very like *E. cœnobita* of Cramer (a *Neptis*)!

10. EUPLŒA TRISTIS.

Euplœa tristis, Butler, P. Z. S. p. 284. n. 48 (1866).

Aneiteum (*Cuming*).

Type, B.M.

11. EUPLŒA GRÆFFIANA.

Euplœa græffiana, Herrich-Schäffer, Stett. ent. Zeit. p. 70. n. 5, pl. ii. fig. 5 (Jan.-Mar. 1869).

Vanua Valava (*Herrich-Schäffer*).

Nearly allied to *E. iphianassa*. *E. rumphii* of Felder is alluded to by Herrich-Schäffer as coming also from Vanua Valava; that species, however, is at present unknown to science, not having been described.

12. EUPLŒA IPHIANASSA.

Euplœa iphianassa, Butler, P. Z. S. p. 287. n. 57, p. 286. fig. 3 (1866).

Euplœa macleayii, Felder, Reise der Novara, Lep. ii. p. 320. n. 436 (1867?).

Euplœa hisme?, Montrouzier, Ann. Sc. Phys. Nat. Lyon, p. 403 (1856), but not of Boisduval.

Fiji (*Felder*); Aneiteum (*Cuming*).

Type, B.M.

This is probably the species referred to by Herrich-Schäffer as *E. nemertes*, Hübner, and as from Vanua Valava.

13. EUPLŒA FORSTERI.

Euplœa forsteri, Felder, Reise der Novara, Lep. ii. p. 322. n. 440 (? 1867).

Fiji (*Felder*).

Allied to *E. saundersii*, Boisduval*, and more distantly to *E. tristis*. It may be the *E. adyte* of Boisduval.

14. EUPLŒA ADYTE.

Euplœa adyte, Boisduval, Bull. Ent. Soc. France, p. 156. n. 8 (1859).

New Caledonia (*Boisduval*).

15. EUPLŒA SERIATA.

Euplœa seriata, Herrich-Schäffer, Stett. ent. Zeit. p. 69. n. 1 (Jan.-Mar. 1869).

Vanua Valava (*Herrich-Schäffer*).

* Bull. Ent. Soc. France, p. clvi. n. 8, obs. (1859) = *E. cleusina*, Godart (nec Cramer).

16. EUPLŒA INCOMPTA.

Euplœa incompta, Herrich-Schäffer, Stett. ent. Zeit. p. 69. no. 2 (Jan.-Mar. 1869).

Vanua Valava (*Herrich-Schäffer*).

Allied to the preceding species.

17. EUPLŒA IMITATA.

Euplœa imitata, Butler, Ann. & Mag. Nat. Hist. ser. 4, vol. v. p. 359, n. 8 (1870); Cruise of the Curaçoa, p. 466, pl. 47. figs. 1, 2 (1873).

South-Sea Islands (*Brenchley*).

Type, B.M.

18. EUPLŒA LORENZO.

Euplœa lorenzo, Butler, Ann. & Mag. Nat. Hist. ser. 4, vol. v. p. 357, n. 7 (1870); Cruise of the Curaçoa, p. 466, pl. 47. figs. 3, 4 (1873).

South-Sea Islands (*Brenchley*).

Type, B.M.

19. EUPLŒA JESSICA.

Euplœa jessica, Butler, Lep. Exot. p. 20, pl. viii. fig. 3 (1870).

Fiji (*Whitely*).

Type, Coll. Druce.

20. EUPLŒA TREITSCHKEI.

Euplœa treitschkei, Boisduval, Voy. de l'Astrolabe, Lép. p. 98. n. 9 (1832); Doubleday & Hewitson, Gen. Diurn. Lepid. pl. 11. fig. 2 (1847).

New Ireland (*Parzudaki*).

B.M.

21. EUPLŒA SCHMELTZI.

Euplœa schmeltzi, Herrich-Schäffer, Stett. ent. Zeit. p. 70. n. 4; pl. ii. fig. 8 (Jan.-Mar. 1869).

Upolu (*Brenchley*).

B.M.

22. EUPLŒA VITELLA.

Euplœa vitella? (Cramer), Montrouzier, Ann. Sc. Phys. Nat. Lyon, p. 403 (1856).

Woodlark Island (*Montrouzier*).

Appears to be allied to *E. melina*, and certainly is not the *Papilio vitellia* of Cramer (which is a *Dyctis*), as evidenced by the description:—"Wings black, paler at the extremity; underside of upper wings marked upon the costa by three points and a bifid streak, all white, and at the sides by a border of points; underside of lower wings spotted with white: upon the wings of the male a band of dull black." This last sentence proves it to be a true *Euplœa*.

23. EUPLŒA LAPEYROUSEI.

Euplœa lapeyrousei, Boisduval, Voy. de l'Astrolabe, p. 97. n. 7. (1832).

Aneiteum (*Macgillivray*).

B.M.

It is just possible that this may not be Boisduval's species, as the type was said to come from Bouru; the present species was also labelled *E. paykullei* in Mr. Saunders's collection.

24. *EUPLŒA BRENCHLEYI*.

Euplœa brencchleyi, Butler, Ann. & Mag. Nat. Hist. ser. 4, vol. v. p. 357. n. 2 (1870); Cruise of the Curaçoa, p. 464, pl. 46 (1873).
South-Sea Islands (*Brenchley*). Type B.M.

25. *EUPLŒA ESCHSCHOLTZII*.

Euplœa eschscholtzii, Felder, Reise der Nov., Lep. ii. p. 345. n. 480 (1867?); Herrich-Schäffer, Stett. ent. Zeit. xxx. pl. 2. fig. 9 (Jan.-Mar. 1869).
Fiji Islands; Aneiteum (*Cuning*). B.M.
Herrich-Schäffer figures a very small example of this species.

26. *EUPLŒA HELCITA*.

Euplœa helcita, Boisduval, Bull. Soc. Ent. France, p. 156 (1859).
Euplœa montrouzieri, Felder, Reise der Nov., Lep. ii. p. 345. n. 479 (1867?).
New Caledonia (*Macgillivray*). B.M.
Scarcely differs from the preceding species.

27. *EUPLŒA DISTINCTA*, n. sp.

Euplœa eleutho, var., ♀, Herrich-Schäffer, Stett. ent. Zeit. xxx. pl. 2. fig. 7 (Jan.-Mar. 1869).
Hab. —?

28. *EUPLŒA PROSERPINA*.

Euplœa proserpina, Butler, P. Z. S. p. 300. n. 90 (1866).
Euplœa herrichii, Felder, Reise der Novara, Lep. ii. p. 344. n. 477, tab. xxxix. figs. 3, 4 (? 1867).
Fiji. Type, B.M.

29. *EUPLŒA PERRYI*, n. sp. (Plate XLIV. fig. 1.)

♂. Allied to *E. eschscholtzii*; primaries more elongated; all the white spots smaller; central spot of postmedian oblique series subpyriform, diffused internally; subanal spot absent; wings below paler; primaries with all the spots well defined; the second of oblique postmedian series pyriform, notched in front; no subanal spot; only five submarginal points; the three or four lilacine spots at end of discoidal cell absent; secondaries with one minute lilacine point between subcostal branches, the others all absent; the submarginal series of creamy white points wider apart; expanse of wings 3 inches 3 lines.

Nieuw or Savage Island, 4th Nov. 1873 (*W. Wykeham Perry*).

B.M.

Nearly allied to, but clearly distinct from, *E. helcita* and *E. eschscholtzii*.

Subfamily SATYRINÆ, Bates.

Genus MELANITIS, Fabricius.

30. MELANITIS LEDA, var. TAITENSIS.

Cyllo leda, var. *taicensis*, Felder, Verhandl. zool.-bot. Gesellsch. in Wien, xii. (1862); var. 22, Butler, Ann. & Mag. xix. (1867).

Papilio leda, Cramer, Pap. Exot. iv. pl. 292. fig. A (1782).
Tahiti (Felder); South-Sea Islands (Macgillivray). B.M.

31. MELANITIS LEDA, var. SOLANDRA.

Papilio solandra, Fabricius, Syst. Ent. p. 500 (1775).

Cyllo solandra, Boisduval, Voy. dans l'Océanie, Ent. pt. 1, p. 142 (1832-35).

Cyllo helena, Westwood, in Gen. Diurn. Lepid. p. 361. n. 2 (1851);
Butler, Ann. & Mag. 3rd ser. xix. vars. 1a, 2b, 5b, 19a, 20a (1867).
? *Cyllo fulvescens*, Felder, Reise der Novara, Lep. iii. p. 465. n. 788 (1867).

Ovalau and Vanua Valava (H.-Schäffer); Tutuila Isl. (Perry).
B.M.

Subgenus HIPIO, Hübner.

32. MELANITIS AMABILIS.

Cyllo amabilis, Boisduval, Voy. de l'Astrolabe, Ent. pt. i. p. 140, pl. 2. figs. 1, 2 (1832).

New Ireland (Boisduval)

Genus XOIS, Hewitson.

33. XOIS SESARA.

Xois sesara, Hewitson, Trans. Ent. Soc. 3rd ser. ii. pt. 4, p. 282, pl. 17. figs. 3, 4 (1865).

Acrophthalmia? *diophthalma*, Prittwitz, Stett. ent. Zeit. p. 274. n. 31 (1867).

Viti Levu and Ovalau (Herrich-Schäffer); Fiji (Macgillivray & Brenchley). B.M.

Subfamily MORPHINÆ, Butler.

Genus TENARIS, Hübner.

34. TENARIS CATOPS.

Drusilla catops, Westwood, Gen. Diurn. Lepid. p. 335. n. 3, note (1851); Trans. Ent. Soc. ser. 2. vol. iv. p. 181 (1858).

New Ireland (Westwood); Aru (Wallace). B.M.

I rather doubt the identity of examples from New Ireland and Aru.

35. TENARIS PHORCAS.

Drusilla phorcas, Westwood, Trans. Ent. Soc. ser. 2. vol. iv. p. 182, pl. 21. fig. 1 (1858).

New Hebrides? (Macgillivray). Type, B.M.

36. TENARIS MYLÆCHA.

Drusilla mylæcha, Westwood, ser. 2. vol. i. n. 5, p. 175 (1851);

Trans. Ent. Soc. ser. 2. vol. iv. p. 182 (1858); White, Voy. Rattlesnake, App. p. 390, pl. 4. figs. 3, 4 (1852).

Louisiade Islands (*Macgillivray*).

Type B.M.

37. TENARIS ANABLEPS.

Drusilla anableps, Vollenhoven, Tijds. voor Ent. iii. p. 40, pl. 1. fig. 3, pl. 2. fig. 1 (1860).

Otaheite (*Vollenhoven*).

Very close to *T. phorcas*, but paler in colour, with the ocellus of secondaries above larger and margined externally by a dusky border.

Subfamily NYMPHALINÆ, Bates.

Genus DOLESCHALLIA, Felder.

38. DOLESCHALLIA BISALTIDE?

Nymphalis polibete (Godart), Montrouzier, Ann. Sc. Phys. Nat. Lyon, p. 403 (1856).

Doleschallia bisaltide (Cramer), Herrich-Schäffer, Stett. ent. Zeit. p. 71. n. 10 (1869).

Woodlark (*Montrouzier*); Ovalau and Vanua Valava (*Herrich-Schäffer*).

I think it doubtful whether this is the *P. bisaltide* of Cramer. M. Montrouzier remarks that the black spots on the secondaries are blue-pupilled; and Dr. Herrich-Schäffer notices the absence of any silver spots on the under surface.

Genus CHARAXES, Ochsenheimer.

39. CHARAXES CAPHONTIS.

Charaxes caphontis, Hewitson, Ex. Butt. iii., *Char.* pl. 3. figs. 14, 15 (1863).

Fiji (*Hewitson*).

Genus NEPTIS, Fabricius.

40. NEPTIS VENILIA?

Limnitis venilia (Godart), Montrouzier, Ann. Sc. Phys. Nat. Lyon, p. 406 (1856).

Woodlark (*Montrouzier*).

I think it doubtful whether this is the *P. venilia* of Linnæus; there seem to be at least three distinct forms, all of which will have to be separated. We have the typical form from Amboina, Ceram, Mysol, and Waigiou.

41. NEPTIS? WOODLARKIANA.

Limnitis woodlarkiana, Montrouzier, An. Sc. Phys. Nat. Lyon, p. 406 (1856).

Neptis woodlarkiana, Kirby, Cat. Diurn. Lep. p. 242. n. 52 (1871).

Woodlark (*Montrouzier*).

Genus JUNONIA, Hübner.

42. JUNONIA VILLIDA.

Papilio villida, Fabricius, Mant. Ins. p. 35. n. 366 (1787).

Papilio velleda, Fabricius, Ent. Syst. iii. p. 91. n. 283 (1793);
Donovan, Ins. New Holland, pl. 25. fig. 3 (1805).

Vanua Valava and Ovalau (*Herrich-Schäffer*); Navigators' Islands. B.M.

Genus DIADEMA, Boisduval.

43. DIADEMA NERINA.

♀. *Papilio nerina*, Fabricius, Syst. Ent. p. 509. n. 277 (1775);
Donovan, Ins. New Holl. pl. 27. fig. 1 (1805).

♀. *Papilio iphigenia*, Cramer, Pap. Exot. i. pl. 67. figs. D, E (1779).

♂. *Diadema lassinassa*, Montrouzier (nec *lisianassa*, Cramer),
Ann. Sc. Phys. Nat. Lyon, p. 406 (1856).

Woodlark Island (*Montrouzier*); Australia. B.M.

We have this insect (♀) also in the collection made by Dr. Horsfield in Java; it scarcely differs at all from the Australasian type.

44. DIADEMA OTAHEITÆ.

Diadema auge, Cram., var. *otaheitæ*, Felder, Verh. zool.-bot. Ges. xii. p. 492. n. 185 (1862).

Taiti (*Felder*).

Evidently allied to the preceding, but considerably smaller.

45. DIADEMA PULCHRA, n. sp. (Plate XLIV. fig. 2.)

♀. Primaries above black-brown; the interno-median area to second median branch tawny; three or four oblique central subcostal pale blue dashes; an oblique quadrifid white fasciole beyond the cell; a trifid subapical spot and four discal internervular dots, all white; a double submarginal series of geminate whitish dots, not reaching the apex or anal angle; secondaries with base and outer margin broadly dark brown; central area tawny orange, crossed by a broad angulated white belt; a double submarginal series of geminate subochraceous spots; nervures dusky, lilacine on the white band; body olivaceous brown; head and prothorax spotted with whitish; wings below nearly as in *D. nerina*, but the white band of secondaries broader. Expanse 3 inches 2 lines.

New Caledonia (*Macgillivray*). Type, B.M.

Allied to *D. manilia*, Cramer, ♀ of *D. lisianassa*, and reminds one of *Danaïs alcippus*; it is a small species.

46. DIADEMA MONTROUZIERI, n. sp.

♂. *Diadema lassinassa*, Montrouzier (nec *P. lisianassa*, Cramer),
Ann. Sc. Phys. Nat. Lyon, p. 408 (1856).

♀. Similar above to *D. proserpina*, Cramer*, excepting that it is larger, that the apical area of primaries is tawny ochraceous, that

* A variety of *D. nerina*, Fabr. (♀ of *D. auge*, Cramer).

there is no tawny spot on interno-median area, and that the central spot of secondaries is smaller and always more or less shot with purplish blue; wings below similar to *D. manilia*, Cr., but the sub-marginal spots tinted with pale ochre. Expanse 4 inches 1 line.

Navigators' Islands.

Type, B.M.

47. *DIADEMA PALLESCENS*, n. sp.

♂ ♀. *Diadema bolina*, Butler (nec Linnæus), Ann. & Mag. Nat. Hist. ser. 4, vol. v. p. 360 (1870); ♀. Cruise of the Curaçoa, p. 468, pl. 48. figs. 3, 4 (1873).

Solomon Islands (*Brenchley*).

Type, B.M.

Hitherto the whole of the *Diademæ* of the *Bolina* group have been looked upon as varieties of one species; but having gone carefully over them with Mr. Frederic Moore, I have come to the conclusion that there are several distinct and well-marked species. Our examples represent the following species:—

1. *Diadema bolina*, Linn. (Clerck's Icones).
Silhet, Nepal, Moulmein, Ceylon. ♂ ♀. Coll. B.M.
2. *Diadema jacintha*, Drury, = *D. avia*, Fabr.
N. India, Moulmein, Ceylon. ♂ ♀. Coll. B.M.
3. *Diadema* n. sp.? ♀ (? var. of next sp.).
Borneo. Coll. B.M.
4. *Diadema philippensis*, Butler.
Philippines. ♂ ♀. Coll. B.M.
5. *Diadema*, n. sp.
India, E. India. ♂, ♀. Coll. B.M.
6. *Diadema*, n. sp.?
Celebes. ♂. Coll. B.M.
7. *Diadema alcmene*, Cramer.
Java, Australia. ♂ ♀. Coll. B.M.
8. *Diadema nerina*, Fabr., = *D. auge*, Cramer, = *D. proserpina* (var.).
Java, Australia. ♂ ♀. Coll. B.M.
9. *Diadema lisianassa*, Cramer, = *D. manilia*, Cramer.
Ceram. ♂ ♀. Coll. B.M.
10. *Diadema pulchra*, Butler.
New Caledonia. ♀. Coll. B.M.
11. *Diadema pallescens*, Butler.
Solomon Islands. ♀. Coll. B.M.
12. *Diadema montrouzieri*, Butler.
Navigators' Islands. ♂ ♀. Coll. B.M.
13. *Diadema*, n. sp.
? Tasmania. ♂ ♀. Coll. B.M.

This last species approaches *D. diomea* of Hewitson in character.

48. *DIADEMA OCTOCULA*.

♀. *Diadema octocula*, Butler, Ann. & Mag. Nat. Hist. ser. 4, vol. iii. p. 19. n. 5, pl. 9. fig. 5 (Jan. 1, 1869), vol. vii. p. 447 (1871).

♂. ?*Diadema formosa*, Herrich-Schäffer, Stett. ent. Zeit. p. 71. n. 16, pl. 4. fig. 17 (Jan.-March 1869).

Totoya, Fiji (*Butler*); Vanua Valava (*Herrich-Schäffer*).

W. F. Kirby, in the 'Zool. Record' for 1871, states that if my *D. octocula* is = *D. formosa*, the latter specific name will take priority. Upon what grounds he comes to this conclusion I am unable to imagine; for it must be manifest to every reasoning being that the Jan.-March number of the 'Stettiner Zeitung' can only have been procurable on the 1st of April at the earliest, whereas my paper appeared on the 1st of January.

49. *DIADEMA LUTESCENS*, n. sp. (Plate XLIV. fig. 3.)

♀. Wings above chestnut-brown, becoming smoky brown towards the middle; primaries with apical third and marginal area dirty buff; a broad postmedian oblique paler buff band; seven distinct rounded discal internervular white spots; outer margin black-brown, edged internally at intervals with white scales; secondaries with external third pale buff; seven diffused discal internervular white spots; outer margin broadly dusky, narrowly black, intersected by two interrupted undulated pearly white lines; fringe varied with white; body brown; head and prothorax blackish, white-spotted: wings below paler than above; basal two thirds smoky instead of chestnut-brown; apical third of primaries clearer, marginal whitish scalings defined, forming two submarginal lines as on secondaries; basal half of costa irrorated with white scales, three black-bordered white subcostal spots within cell; eight discal white spots in secondaries; body brown, white-spotted; palpi below white. Expanse of wings 3 inches 4 lines.

Ovalau, Fiji (*W. Wykeham Perry*).

Type, B.M.

Allied to *D. porphyria* of Cramer.

Genus *CETHOSIA*, Fabricius.50. *CETHOSIA OBSCURA*.

Cethosia obscura, Guérin, Voy. Coq. pl. 15. fig. 4 (1829); Boisduval, Voy. de l'Astrolabe, Lép. p. 111 (1832).
New Ireland.

Genus *ATELLA*, E. Doubleday.51. *ATELLA GABERTI*.

Argynnis gaberti, Guérin, Voy. Coq. pl. 16. fig. 3 (1829).
Melitæa gaberti, Boisduval, Voy. de l'Astrolabe, Lép. p. 116 (1832).

Taiti (*Guérin*).

B.M.

52. *ATELLA BODENIA*.

Atella bodenia, M. R. Butler, P. Z. S. p. 687 (1873).

? *Atella egista*, Herrich-Schäffer (nec Cramer), Stett. ent. Zeit.
p. 71. n. 17 (1869).

Friendly Islands.

B.M.

Herrich-Schäffer's specimens were received from Upolu.

Genus CYNTHIA, Fabricius.

53. CYNTHIA, sp.?

♂. *Vanessa arsinoe*, Montrouzier (nec Cramer), Ann. Sc. Phys.
Nat. Lyon, p. 405 (1856).

♀. *Vanessa juliana*, Montrouzier (nec Cramer), loc. cit. (1856).
Woodlark Island (*Montrouzier*).

This species is not likely to be *C. arsinoe*, as that species appears
to be strictly limited to Amboina and Ceram: it is probably more
nearly allied to *C. ada* (P. Z. S. 1873).

Genus PYRAMEIS, Hübner.

54. PYRAMEIS TAMMEAMEA.

Vanessa tammeamea, Eschscholtz, Kotzeb. Reise, iii. p. 207,
pl. 5. figs. 8, *a*, *b* (1821).

Pyrameis cordelia, Doubleday & Hewitson, Gen. Diurn. Lep.
pl. 25. fig. 3 (1837).

Sandwich Islands.

B.M.

Family ERYCINIDÆ.

Subfamily LIBYTHEINÆ, Bates.

Genus LIBYTHEA, Fabricius.

55. LIBYTHEA ANTIPODA.

Libythea antipoda, Boisduval, Bull. Soc. Ent. France, p. clvii.
n. 9 (1859); Felder, Reise der Novara, Lep. ii. p. 313. n. 423,
pl. 42. figs. 9, 10 (1867?).

New Caledonia (*Boisduval*); Philippines (*Felder*). B. M.

I think it quite likely (since Mr. Wallace found characters by
which to separate the representatives of this species in Ceram and
Batchian) that the New-Caledonian and Philippine insects are
perfectly distinct.

Family LYCENIDÆ.

Subfamily LYCENINÆ, Butler.

Genus LAMPIDES, Hübner.

56. LAMPIDES CALEDONICA.

Lycæna kandarpa, var. *caledonica*, Felder, Verh. zool.-bot. Ges.
xii. p. 495. n. 209 (1862).

New Caledonia (*Felder*).

57. LAMPIDES TAITENSIS.

Lycæna taitensis, Boisduval, Voy. de l'Astrolabe, Lép. p. 771.
n. 1 (1832).

Taiti (*Boisduval*), Australia.

B.M.

58. LAMPIDES CYTA.

Catochrysops cyta, Boisduval, Voy. de l'Astrolabe, Lép. p. 87 (1832).

New Ireland (*Boisduval*).

59. LAMPIDES ARGENTINA.

Lycæna argentina, Prittwitz, Stett. ent. Zeit. p. 274. n. 32 (1867).

Acrophthalmia? argentina, Kirby, Cat. Diurn. Lep. p. 96. n. 4 (1871).

Samoa (*Prittwitz*); sp. ead.? Aneiteum. ♂, B.M.

Closely allied to, if not identical with *L. macrophthalma* of Felder.

60. LAMPIDES SAMOA.

Lycæna samoa, Herrich-Schäffer, Stett. ent. Zeit. p. 73. n. 30 (1869).

Samoa (*Herrich-Schäffer*).

Probably the same as the preceding, but so carelessly described (both sexes being described as females) that I cannot identify it with certainty.

61. LAMPIDES CANDRENA.

Lycæna candrena, Herrich-Schäffer, Stett. ent. Zeit. p. 74. n. 34 (1869).

Viti Levu, Ovalau, Vanua Valava (*Herrich-Schäffer*).

We have a species apparently allied to the above from the Navigators' Islands; but the description mentions no black margin to the wings of the male, and gives hardly any idea of the under surface, so that I dare not refer our insect to this species.

62. LAMPIDES DYOPA.

Lycæna dyopa, Herrich-Schäffer, Stett. ent. Zeit. p. 75. n. 35 (1869).

Ovalau (*Herrich-Schäffer*).

Probably a variety of the preceding, from which apparently it differs very little.

Genus LYCÆNA, Fabricius.

63. LYCÆNA PHÆBE.

Lycæna phæbe, Murray, Ent. Mo. Mag. p. 107 (1873).

New Caledonia (*Macgillivray*); Tutuila Isl. (*Perry*). B.M.

64. LYCÆNA ALSULUS.

Lycæna alsulus, Herrich-Schäffer, Stett. ent. Zeit. p. 75. n. 36 (Jan.-Mar. 1869).

Upolu (*Herrich-Schäffer*).

Kirby quotes *L. communis*, H..Sch. (an undescribed species from Vanua Valava), under *L. lysimon* of Hübner.

65. *LYCÆNA*? *CLEOTAS*.*Lycæna cleotas*, Guérin, Voy. de la Coq. pl. 18. fig. 4 (1829).*Argus poeta*, Boisduval, Voy. de l'Astrolabe, Lép. p. 90 (1832).
New Ireland (*Guérin*).66. *LYCÆNA*? *CATOCHLORIS*.*Lycæna? catochloris*, Boisduval, Voy. de l'Astrolabe, Lép. p. 78.
n. 3 (1832).Taiti (*Boisduval*).I suspect that this is a *Danis*.

Subfamily THECLINÆ, Butler.

Genus AMBLYPODIA, Horsfield.

67. *AMBLYPODIA MEANDER*?*Arhopala meander*, Montrouzier (? Boisd.), Ann. Sc. Phys. Nat.
Lyon, p. 403 (1856).Woodlark Island (*Montrouzier*).68. *AMBLYPODIA PHRYXUS*?*Arhopala pryxus* (sic), Montrouzier (? *phryxus*, Boisd.), Ann. Sc.
Phys. Nat. Lyon, p. 403 (1856).Woodlark Island (*Montrouzier*).

Family PAPILIONIDÆ.

Subfamily PIERINÆ, Bates.

Genus DELIAS, Hübner.

69. *DELIAS BAGOË*.*Pieris bagoë*, Boisduval, Voy. de l'Astrolabe, Lép. p. 49. n. 1
(1832); Wallace, Trans. Ent. Soc. ser. 3, vol. iv. p. 355. n. 36,
pl. 7. figs. 3, 3 a (1867).New Ireland (*Boisduval*).

Genus ELODINA, Felder.

70. *ELODINA SIGNATA*.*Elodina signata*, Wallace, Trans. Ent. Soc. London, ser. 3, vol. iv.
p. 319. n. 8 (1867).New Caledonia (*Macgillivray*).

Type, B.M.

Genus TERIAS, Swainson.

71. *TERIAS HECABE*.*Papilio hecabe*, Linnæus, Syst. Nat. ii. p. 763. n. 96 (1766).*Terias hecabe*, Herrich-Schäffer, Stett. ent. Zeit. p. 77. n. 53
(1869).Vanua Valava (*Herrich-Schäffer*); Australia.

B.M.

Genus COLIAS, Fabricius.

72. COLIAS PONTENI.

Colias ponteni, Wallengren, Wien. ent. Monatschr. iv. p. 33: n. 1 (1860); Eug. Reise, p. 351 (1871).
Sandwich Islands (*Wallengren*).

Genus CATOPSILIA, Hübner.

73. CATOPSILIA LACTEA.

Callidryas lactea, Butler, Ann. & Mag. Nat. Hist. ser. 4, vol. v. p. 361 (1870); Lep. Exot. p. 43, pl. 16. figs. 5-7 (1870); Cruise of the Curagoa, p. 470, pl. 49. figs. 1, 2 (1873).
Solomon Islands (*Brenchley*). Type, B.M.

74. CATOPSILIA GORGOPHONE.

Callidryas gorgophone, Boisduval, Sp. Gén. Lép. i. p. 632. n. 26 (1836); Butler, Lep. Exot. p. 30. n. 4, pl. 12. figs. 1-4 (1870).
Vanua Valava, Ovalau (*Herrich-Schäffer*); Australia. B.M.

Genus APPIAS, Hübner.

75. APPIAS PSYCHE.

Pieris psyche, Felder, Reise der Novara, Lep. ii. p. 166. n. 143 (1867?).
New Caledonia (*Felder*).

76. APPIAS EGA, var. (Boisd.).

Pieris melania, var. *caledonica*, Felder, Verh. zool.-botan. Ges. xii. p. 495. n. 207 (1862).
? *Pieris albina*, var. *galathea*, Herrich-Schäffer, Stett. ent. Zeit. p. 76. n. 42 (1869).
New Caledonia (*Macgillivray*). B.M.
A. galathea of Felder occurs at Sambelong, *A. albina* in the Philippines.

77. APPIAS AMARELLA.

Tachyris amarella, Wallace, Trans. Ent. Soc. London, ser. 3, vol. iv. p. 373. n. 25, pl. 9. fig. 2 (1867).
New Caledonia (*Macgillivray*). Type, B.M.

78. APPIAS ACRISA.

Pieris acrisa, Boisduval, Bull. Soc. Ent. France, p. 156 (1859).
Woodlark Island (*Boisduval*).

79. APPIAS ATHAMA.

Pieris athama, Lucas, Rev. Zool. p. 336 (1852); Blanchard, Voy. Pôle Sud, p. 381, pl. 1. figs. 10, 11 (1853).
Vanua Valava (*Herrich-Schäffer*); New Caledonia (*Macgillivray*). B.M.

80. APPIAS EUMELIS.

Pieris eumelis, Boisduval, Voy. de l'Astrolabe, Lép. p. 50. n. 8 (1832).

New Ireland (*Boisduval*).

81. APPIAS LIBYTHEA.

♀. *Papilio libythea*, Fabricius, Syst. Ent. p. 471. n. 120 (1775).

♂. *Pieris jacquinotii*, Lucas, Rev. Zool. p. 326 (1852).

New Caledonia (*Lucas*); Ceylon, &c.

B.M.

Genus BELENOIS, Hübner.

82. BELENOIS NABIS (B. SCYLLARIA, var.).

Pieris nabis, Lucas, Rev. Zool. p. 326 (1852).

Fiji (*Lucas*); Australia.

B.M.

83. BELENOIS PERICLEA.

Pieris periclea, Felder, Reise der Novara, Lep. ii. p. 169. n. 151 (1867?); Herrich-Schäffer, Stett. ent. Zeit. p. 76. n. 45, pl. 1. fig. 4 (1869).

Aneiteum (*Cuming*).

B.M.

84. BELENOIS PERISTHENE.

Pieris peristhene, Boisduval, Bull. Soc. Ent. France, p. 155. n. 4 (1859).

New Caledonia (*Macgillivray*); New Ireland (*Parzudaki*); Aneiteum (*Cuming*).

B.M.

Subfamily PAPILIONINÆ, Bates.

Genus ORNITHOPTERA, Boisduval.

85. ORNITHOPTERA BOISDUVALII.

Ornithoptera boisduvalii, Montrouzier, Ann. Sc. Phys. Nat. Lyon, p. 394 (1856).

Papilio oceanus, Felder, Verh. zool.-bot. Ges. Wien, xiv. p. 290. n. 13, p. 332. n. 10 (1864).

Woodlark Island (*Montrouzier*).

86. ORNITHOPTERA URVILLIANA.

♂. *Papilio urvillianus*, Guérin, Voy. Coq. pl. 13. figs. 1, 2 (1829).

Ornithoptera urvilliana, Boisduval, Sp. Gén. Lép. i. p. 175. n. 2, pl. 17. fig. 1 (1836).

New Ireland (*Guérin*); ? ♀, Lizard Island.

B.M.

I think it just possible that the ? variety of *O. cassandra*, which I have mentioned in the 'Cruise of the Curaçoa,' may be the female of this species; it is very similar in outline.

87. ORNITHOPTERA POSEIDON.

♂. *Ornithoptera poseidon*, Doubleday, Ann. & Mag. Nat. Hist. xix. p. 173 (1847); Westwood, Cab. Or. Ent. pl. 11 (1848).

♀. *Papilio euphorion*, G. R. Gray, Cat. Lep. Ins. Brit. Mus. i. p. 4. n. 6, pl. 2. fig. 3 (1852).

Darnley Island, N.E. Australia.

B.M.

There can be no question that the above are sexes of one species; it should perhaps, strictly speaking, hardly find a place in this list.

88. ORNITHOPTERA VICTORIÆ.

♀. *Ornithoptera victoriæ*, G. R. Gray, P. Z. S. p. 7, pl. 39 (1856).

"S. Pacific Ocean" (G. R. Gray).

Type, B.M.

Mr. Gray remarks respecting the locality, that, from the insects sent in the same box with this species, it "is supposed (as no memorandum was sent with it) to be either Solomon Islands, Aneiteum, New Hebrides, or the Fiji group." Some lepidopterists have supposed that *O. victoriæ* might be the female of *O. tithonus* of De Haan from Papua.

Genus PAPILIO, Linnæus.

89. PAPILIO HYPSCICLES.

Papilio hypsicles, Hewitson, Ex. Butt. iv. Pap. pl. 9. fig. 29 (1868).

Aneiteum (Cuming).

B.M.

Closely allied to *P. canopus* of Westwood.

90. PAPILIO GODEFROYI.

♂ ♀. *Papilio godefroyi*, Semper, Trans. Ent. Soc. ser. 3. vol. ii. p. 469, pl. 24 (1866).

Upolu (Semper); Ovalau (Herrich-Schäffer); ♀, Upolu (W. W. Perry).

B.M.

This handsome and rare Butterfly comes near *P. capaneus*, which is probably the "? *P. severus*" of Montrouzier.

91. PAPILIO DUNALI.

♂. *Papilio dunali*, Montrouzier, Ann. Sc. Phys. Nat. Lyon, p. 396 (1856).

Woodlark Island (Montrouzier).

Montrouzier also mentions *P. ormenus*, Boisd., as common at Woodlark Island; but this is very unlikely; he may refer to *P. erectheus*.

92. PAPILIO SCHMELTZI.

Papilio schmeltzi, Herrich-Schäffer, Stett. ent. Zeit. p. 78. n. 57, pl. 1. fig. 1 (1869).

Ovalau (Herrich-Schäffer).

Nearly allied to *P. godefroyi*.

93. PAPILIO AMYNTHOR.

Papilio amyntor, Boisdual, Bull. Soc. Ent. France, p. clv. n. 3 (1859).

New Caledonia (Boisdual).

According to Dr. Boisdual, allied to *P. ilioneus* (figured by